

Bio tuition wala

Chapter : plant growth & development Std 11 : Biology

Date :

Total Marks : 80 marks

Neet series

Time : 1 Hour

Section A

- Write the answer of the following questions. [Each carries 1 Mark] [20]
- Francis Darwin studied coleoptile in plant.
(A) Canary grass (B) Carrot grass (C) Maize (D) Barley
 - scientist, isolated auxin.
(A) Darwin (B) F. W. Went (C) E. Corosova (D) F. Skoog
 - is called 'Stress hormone'.
(A) Ethylene (B) Cytokinin (C) ABA (D) Gibberellin
 - In plants available light period do not have any effect.
(A) Day Neutral (B) Long day (C) Short day (D) None
 - Graph of time against growth is
(A) J (B) S-curve
(C) Constant linear growth (D) None
 - The phenomenon of heterophylly is
(A) maturation (B) plasticity (C) vernalisation (D) elasticity
 - Xylem differentiation is controlled by
(A) Auxin (B) GA (C) Cytokinin (D) Ethylene
 - Ethephon hastens fruit ripening in
(A) Guava and chillies (B) Tomatoes and apples (C) Grapes and walnut (D) cotton and cherry
 - Biennials are
(A) Monocarpic plants (B) Sugarbeet (C) Carrots (D) All of these
 - The rise in rate of respiration during ripening of fruit
(A) Respiratory climactic (B) Repening climactic (C) Fruit climactic (D) Seed climactic
 - Phase of elongation is characterized by
(A) increased vacuolation (B) cell enlargement
(C) new cell wall deposition (D) all of these
 - Cells of which region are rich in protoplasm
(A) elongation (B) meristematic (C) maturation (D) root hair region
 - One single maize root apical meristem can give rise to more than
(A) 17,500 new cells per min (B) 17,500 new cells per hour
(C) 17,500 new cells per sec (D) 17,000 new cells per min
 - Growth of pollen tube is measured in term of its
(A) radius (B) area (C) length (D) all of these
 - Secondary growth of the plant is characterized by
(A) increase in linear growth
(B) increase in the girth
(C) activity of vascular cambium and cork cambium
(D) Both (B) and (C)

16. In arithmetic growth of length of organ against time is plotted, the curve is
(A) parabola (B) linear (C) sigmoid (D) rectangular
17. A : Ethylene is a gaseous phytohormone.
R : It promotes ripening of many fruits.
(A) A and R both are correct and R is correct explanation of A.
(B) A and R are correct but R is not correct explanation of A.
(C) A is correct and R is false.
(D) Both A and R are false.
18. Natural cytokinins are synthesized in regions of
(A) Slow cell division (B) Rapid cell division (C) Maturation (D) Elongation
19. 2, 4-D is widely used to kill
(A) Dicotyledonous weeds (B) Monocot weeds
(C) Wheat (D) Paddy
20. Bolting is promoted by use of
(A) GA_3 (B) ABA (C) ethylene (D) auxin



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